



Amendment 01/2006 C.F.R. § 1.111
U.S. Application No. 10/519,752

Attorney Docket No.: Q85404

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A postal sorting machine comprising:
a carousel (1) and a system (4) for injecting mail items (3) edge on into receptacles (2) of the carousel (1), each receptacle (2) of the carousel (1) being defined by an end wall (7) and two side walls (5, 6), and
wherein the machine being characterized in that a flexible deflector (12) is fixed on a first one of the side walls (5) of each receptacle in such a manner that each mail item (3) injected into the receptacle (2) is guided towards the end wall (7) while being pressed substantially against the second side wall; and
wherein the the flexible deflector is a wide strip of belt reinforced with cloth (6).
2. (cancelled)
3. (currently amended): The A postal sorting machine according to claim 1, in which a blower (13) is interposed between the injection system (4) and the carousel (1), the blower (13) delivering two jets (14, 15) of compressed air that are substantially perpendicular to each other, each mail item (3) being displaced between the two jets (14, 15) of air.

4. (currently amended): The A postal sorting machine according to claim 3, in which each jet (14, 15) of compressed air is a flat jet of compressed air delivered by means of one or more flat nozzles (16, 17).

5. (currently amended): The A postal sorting machine according to claim 3, in which the pressure of the jets (14, 15) of compressed air lies in the range 0.5 bars to 1.5 bars.

6. (new): A postal sorting machine comprising:
a carousel comprising receptacles, each receptacle comprising an end wall and two side walls and a flexible deflector in each receptacle position so that each mail item injected into the receptacle is guided towards the end wall while being pressed against the second side wall;
a system for injecting mail items edge on into the receptacles of the carousel; and
a blower interposed between the injection system and the carousel, the blower delivering two jets of compressed air in directions transverse to each other, and wherein each mail item is conveyed in part by the two jets of air as the mail item is injected into the receptacle.

7. (new): The postal sorting machine according to claim 6, wherein the two jets of air are substantially perpendicular to each other.

8. (new): The postal sorting machine according to claim 6, further comprising a postal mail item in one of the receptacles.